

ABSTRACT OF THE DISCLOSURE

Working with the grid mapping utility of the present invention is an easy way to log GPS positions and GIS data at waypoints arranged in an evenly spaced grid. This allows a field user to gather measurements made by field sensors such as depth sounders, chemical detectors and magnetometers. The field user can then create contour maps with the necessary density of data while avoiding any gaps that might force the field user to return to the field.